

01/24

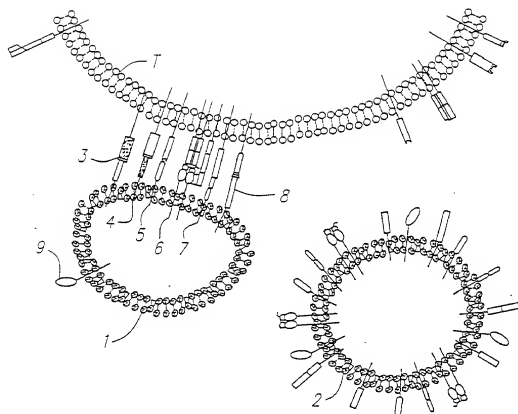


FIG. 1

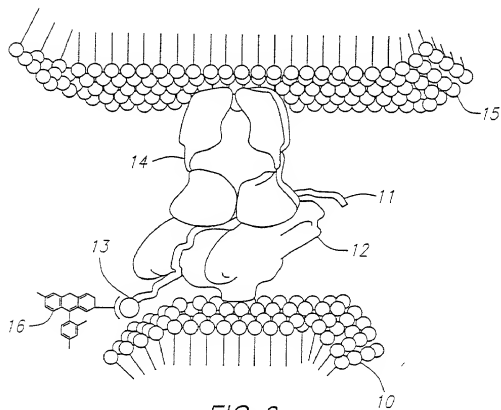


FIG. 2

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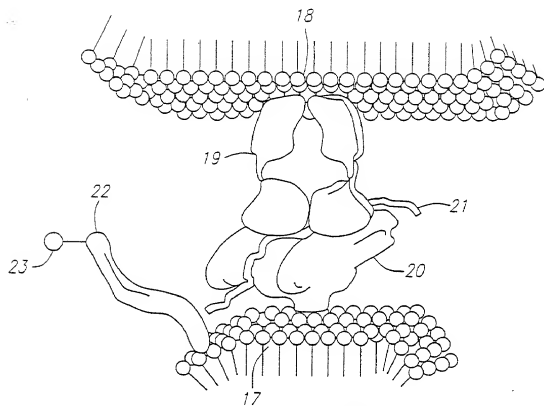


FIG. 3

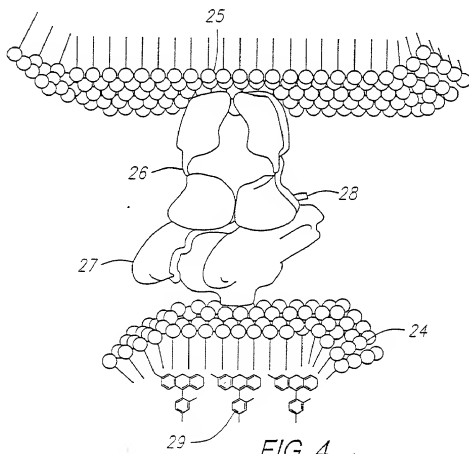


FIG. 4

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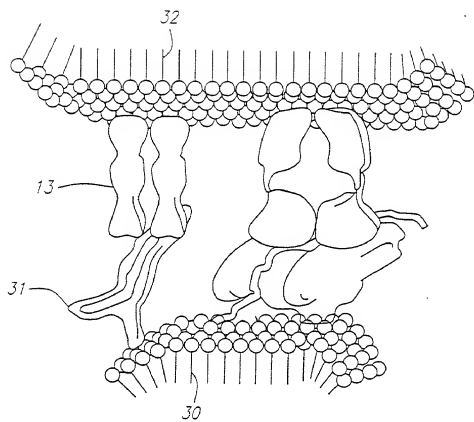


FIG. 5

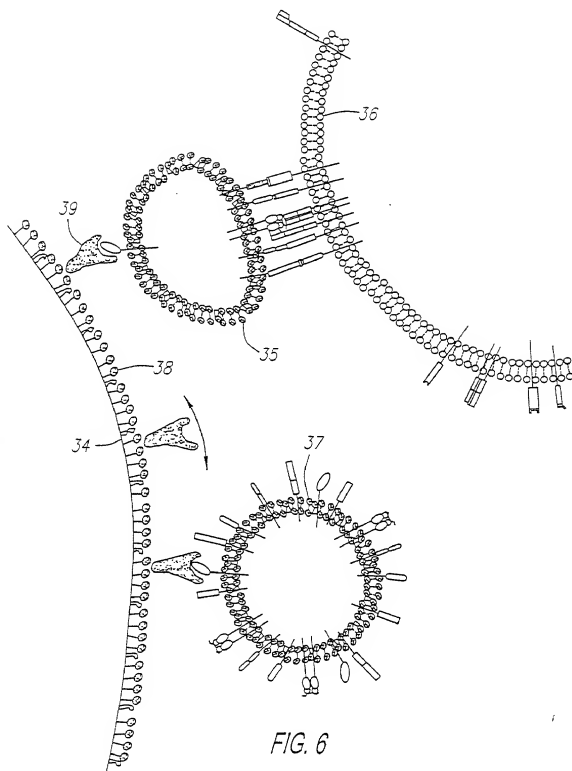
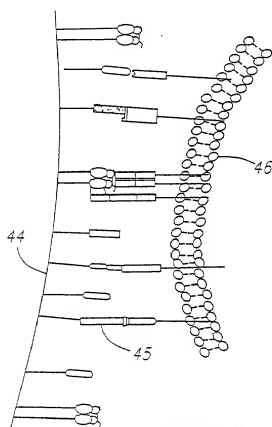
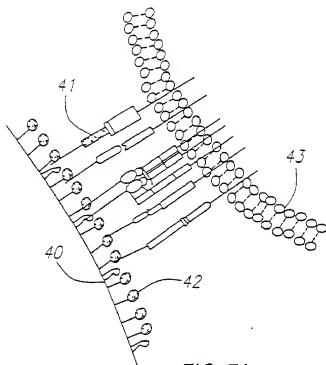


FIG. 6

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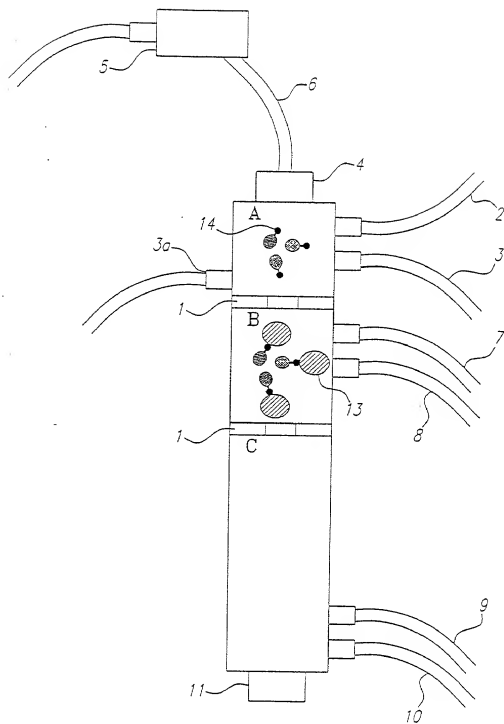
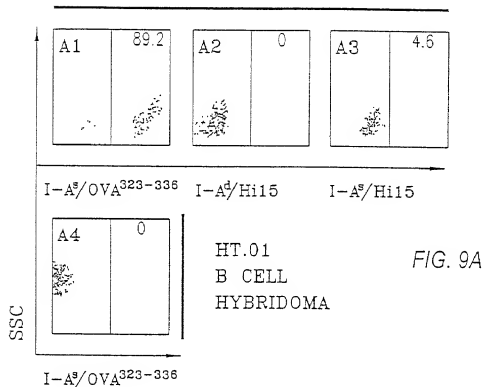


FIG. 8

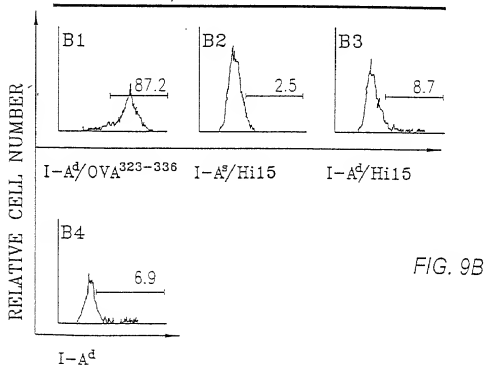
09756983.11301

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AG111.207 T-T HYBRIDOMA
I-A^s/OVA³²³⁻³³⁶ SPECIFIC



8D051.15 T-T HYBRIDOMA
I-A^d/OVA³²³⁻³³⁶ SPECIFIC



007556983.111301

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BALB/c FTOC

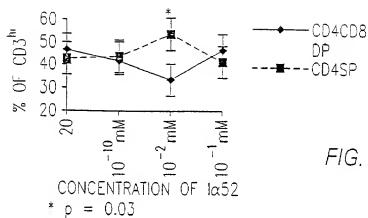


FIG. 10A

VARIABLE REGION USAGE

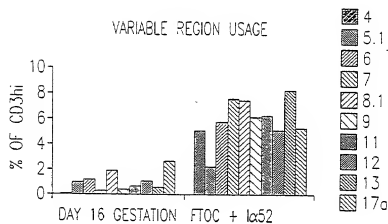


FIG. 10B

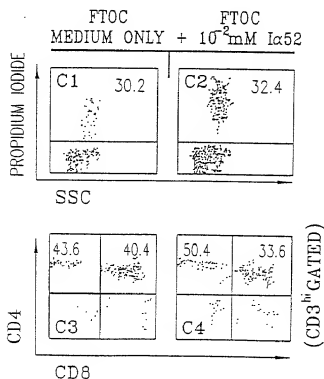


FIG. 10C

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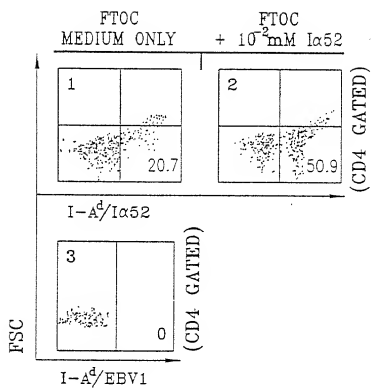


FIG. 11

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I α 52 SUPPLEMENTED FTOC
Hi15 EXPANDED LINE

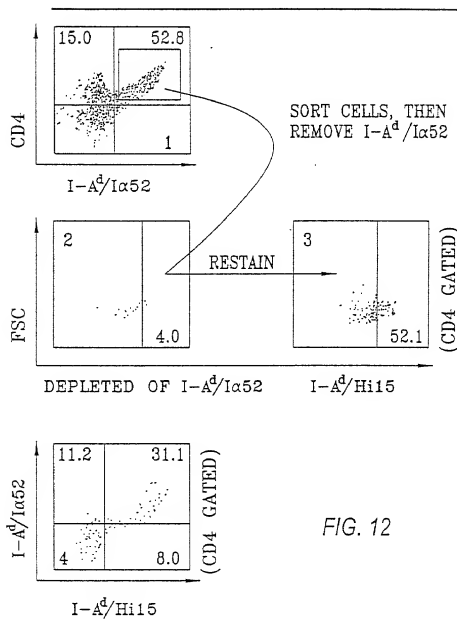


FIG. 12

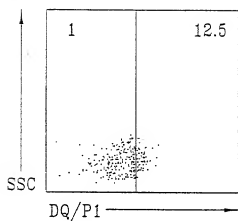


FIG. 13A

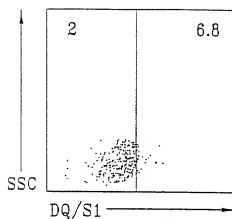


FIG. 13B

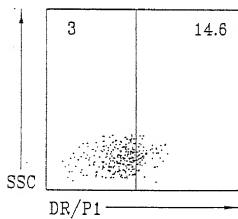


FIG. 13C

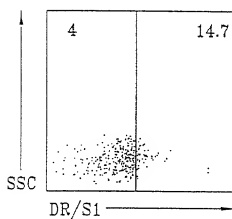


FIG. 13D

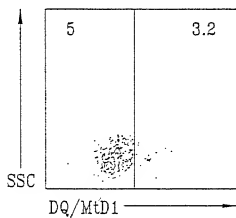


FIG. 13E

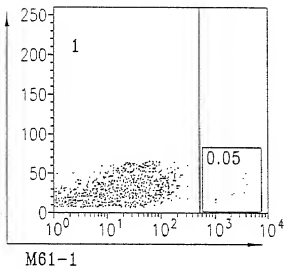


FIG. 14A

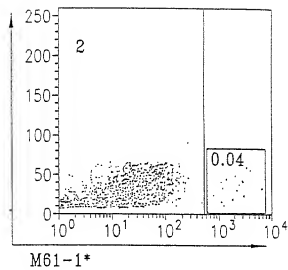


FIG. 14B

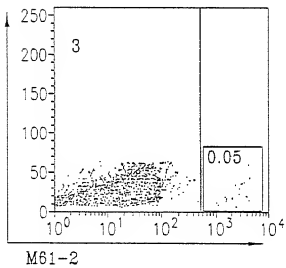


FIG. 14C

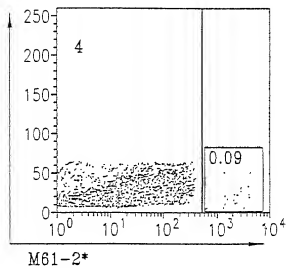


FIG. 14D

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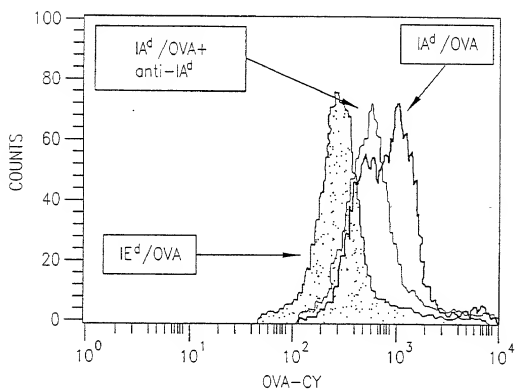


FIG. 15

Fig 16A



Fig 16B

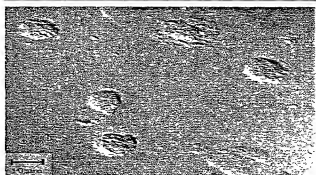


Fig 16C

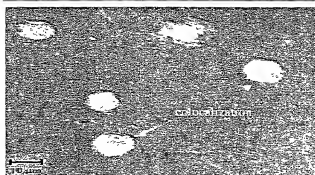


Fig 16D

00756983.111301

Fig 17A



Fig 17B

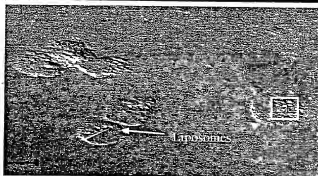


Fig 17C

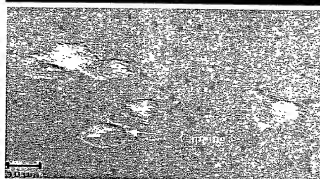


FIG 17D

09756983.11301

Fig 18A



Fig 18B

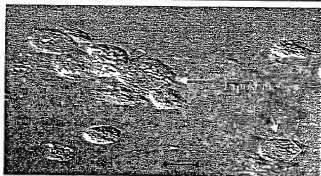


Fig 18C

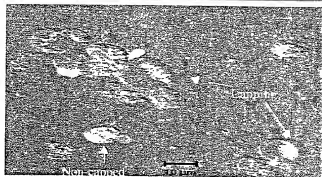


Fig. 18D

09756983.11301

FIG. 19A.

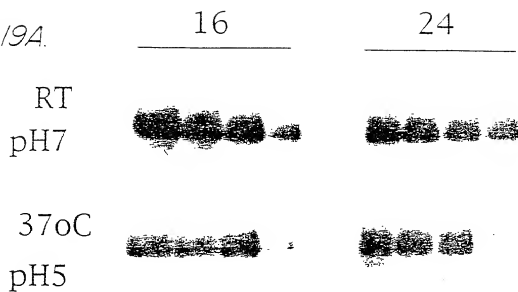


FIG. 19B.

16				24			
200	20	2	0.1x	200	20	2	0.1x

FIG. 19C.

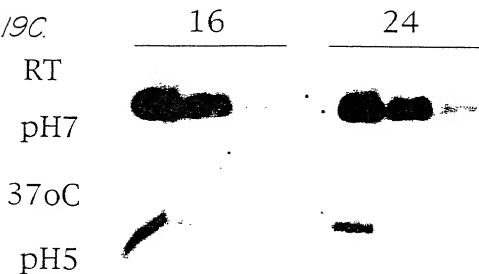


FIG. 19D.

16			24		
70	10	1x	70	10	1x

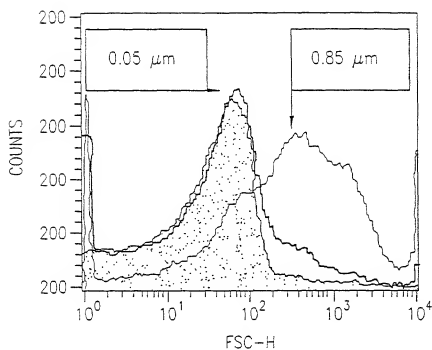


FIG. 20

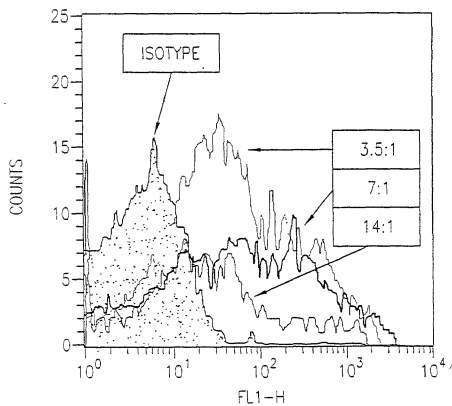


FIG. 21

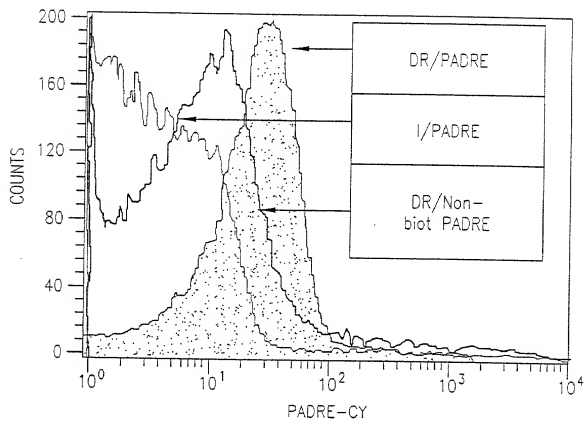


FIG. 22

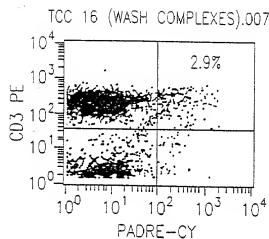


FIG. 23A

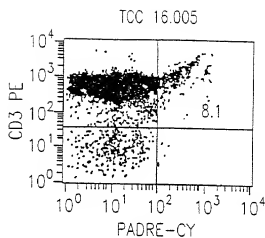


FIG. 23B

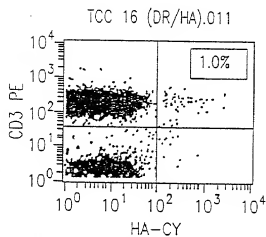


FIG. 23C

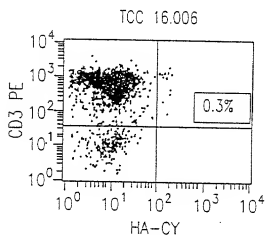


FIG. 23D

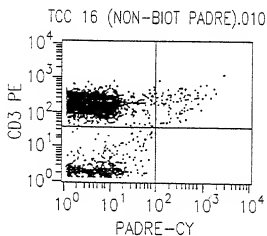


FIG. 23E

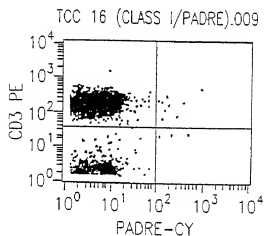


FIG. 23F

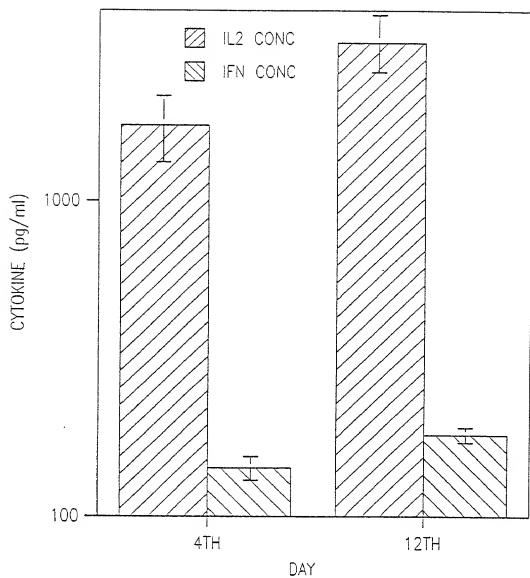
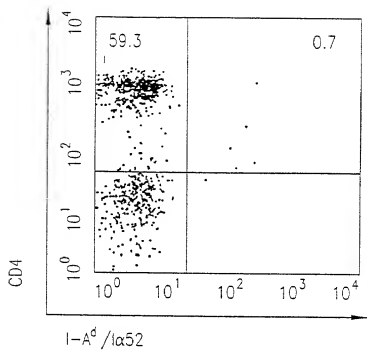
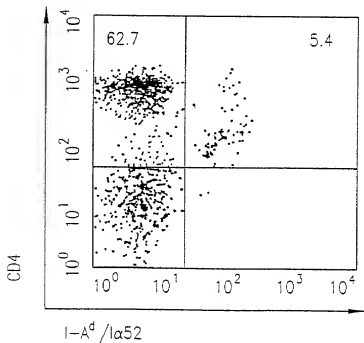


FIG. 24



ADJUTANT IMMUNIZED
BALB/c LYMPH NODE
DERIVED CELLS

FIG. 25A



la52 IMMUNIZED
BALB/c LYMPH NODE
DERIVED CELLS

FIG. 25B

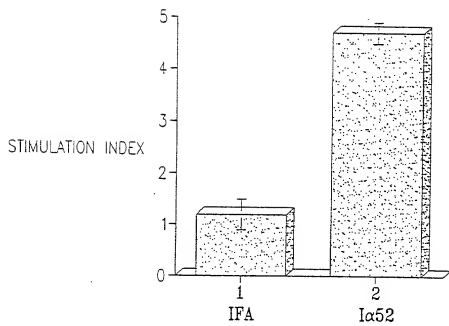


FIG. 26

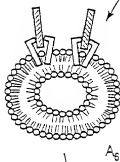
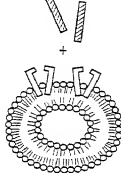
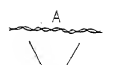


FIG. 27A

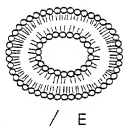


FIG. 27B

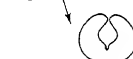
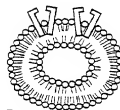
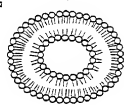
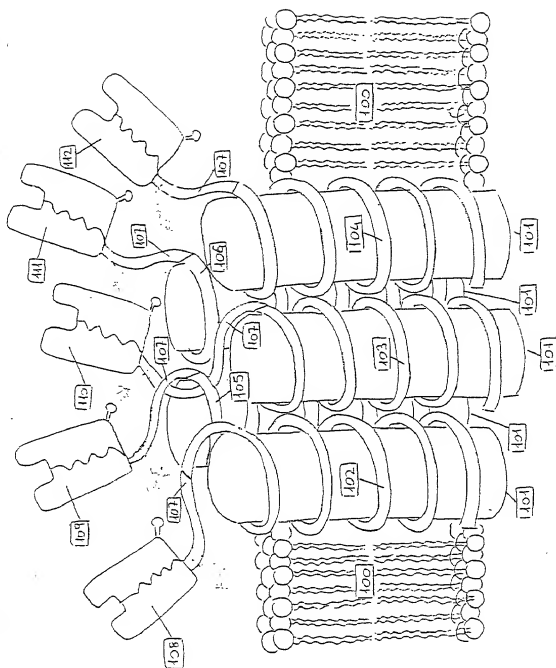


FIG. 27C

Fig. 2



09756983.11301

57.1-CTB construct translation DNA-PROTEIN

M G H T R R Q G T S P S K C P Y L N F F
atg ggc cac aca cgg agg cag gga aca tca cca tcc aag tgt cca cac ctc aat tcc ctc

Q L L V L A G L S H F C S G V I E V T K
cag ctc tgg gtc ctc gct ggt ctt tct cac tcc tgt tca ggt gtt atc cac gtc acc aag

E V K E V A T L S C G H N V S V E E L A
gaa gtc aaa gaa gtc gca acg ctc tcc tgt ggt cac aat gtt tct gtt gaa gag ctc gca

Q T R I Y W Q K E K K M V L T M M S G D
caa act cgc atc cac tgg caa aag gag aag aaa atg gtc ctc act atg atg tct ggg gac

M N I W P E Y K N R T I F D I T N N L S
atg aat ata tgg ccc gag cac aag aac cgg acc atc ttt gac atc act aat aac ctc tcc

I V I L A L R P S D E G T Y E C V V L K
att gtc atc ctc gct ctc cgc cca tct gac gag ggc aca tac gag tgt gtt gtt ctc aag

Y E K D A F K R E H L A E V T L S V K A
cat gaa aaa gac gct tcc aag cgg gaa cac ctc gct gaa gtc acg tta tca gtc aaa gct

D F P T P S I S D F E I P T S N I R R I
gac ttc cct aca cct agt ata tct gac ttt gaa att cta act tct aat att aga agg ata

I C S T S G G F P E P H L S W L E N G E
att cgc tca acc tct gga ggt ttt cca gag cct cac ctc tcc tgg ttg gaa aat gga gaa

E L N A I N T T V S Q D P E T E L Y A V
gaa tta aat gcc atc aac aca aca gtt tcc caa gat cct gaa act gag ctc tat gcc gtt

S E F G G S G G S A T P Q N I T D L C
agc gaa ttc ggc ggc tcc ggt ggt agc gcc aca cct caa aat att act gat ttg tgt

A E Y H N T Q I H T L N D K I F S Y T E
gca gaa tac cac aac aca caa ata cat acg cta aat gat aag ata ttt tgc tat aca gaa

S L A G K R E M A I I T F K N G A T F Q
tct cta gct gga aaa aga gag atg gct atc att act ttt aag aat ggt gca act ttt caa

V E V P G S Q H I D S Q K K A I E R M K
gta gaa gta cca ggt agt caa cat ata gat tca caa aaa aaa gcg att gaa agg atg aag

D T R I A Y L T E A K V E K L C V W N
gat acc ctc agg att gca cat ctt act gaa gct aaa gtc gaa aag tta tgt gta tgg aat

N K T P H A I A A I S M A N *
aat aaa acg cct cat gcg att gcc gca att agt atg gca aat taa

Fig 29

09756983.111301

B7.2-CTB construct translation DNA-PROTEIN

M G L S N I L F V M A F L L S G A A P L
atg gga ctg agt aac att ctc ttt gtg atg gcc ttc ctg ctc tct ggt gct gct cct ctg

K I Q A Y F N E T A D L P C Q F A N S Q
aag att caa gct gat ttc aat gag act gca gac ctg cca tgc caa ttt gca aac tct caa

N Q S L S E L V V F W Q D Q E N L V L N
aac caa agc ctg agt gag cta gta gta ttt tgg cag gac cag gaa aac ttg gtt ctg aat

E V Y L G K E K F D S V H S K Y M G R T
gag gta tac tta ggc aaa gag aaa ttt gac agt gtt cat tcc aag tat atg ggc cgc aca

S F D S D S W T L R L H N L Q I K D K G
agt ttt gat tcg gac agt tgg acc ctg aga ctt cac aat ctt cag atc aag gac aag ggc

L Y Q C I I H H K K P T G M I R I H Q M
ttg tat caa tgt atc atc cat cac aaa aag ccc acg gga atg att cgc atc cac cag atg

N S E L S V L A N F S Q P E I V P I S N
aat tct gaa ctg tca gtg ctt gct aac ttc agt caa cct gaa ata gta cca att tct aat

I T E N V Y I N L T C S S I H G Y P E P
ata aca gaa aat gat tat ttc acc tgc tca tct ata cag ggt tac cca gac tct caa

K K M S V L L R T K N S T I E Y D G I M
aag aag atg agt gtt ttg cta aga acc aag aat tca act atc gag tat gat ggt att atg

Q K S Q D N V T E L Y D V S I S L S V S
cag aaa tct caa gat aat gtc aca gaa ctg tac gac gtt tcc atc agc ttg tct gtt tca

F P D V T S N M T I F C I L E T D K T R
ttc cct gat gtt acg agc aat atg acc atc ttc tgt att ctg gaa act gac aag acg cgg

L L S S P F S I E L E D P Q P P P D H E
ctt tta tct tca cct ttc tct ata gag ctt gag gac cct cag cct ccc cca gac cac gaa

F G G S G G S A T P Q N I T D L C A E
ttc ggc ggc tcc ggt ggt agc gcc aca cct caa aat att act gat ttg tgt gca gaa

Y H N T Q I H T L N D K I F S Y T E S L
tac cac aac aca caa ata cat acg cta aat gat aag ata ttt tcg tat aca gaa tct cta

A G K R E M A I I T F K N G A T F Q V E
gct gga aaa aga gat atg gct atc att act ttt aag aat ggt gca act ttt caa gta gaa

V P G S Q H I D S Q K K A I E R M K D T
gta cca ggt agt caa cat ata gat tca caa aaa aaa gcg att gaa agg atg aag gat acc

L R I A Y L T E A K V E K L C V W N N K
ctg agg att gca tat ctt act gaa gct aaa gtc gaa aag tta tgt gta tgg aat aat aaa

T P H A I A A I S M A N *
acg cct cat gcg att gcc gca att agt atg gca aat taa

Fig 30

09756987.11301

DRAL-CTB construct translation PROTEIN-DNA

M A I S G V P V L G F F I I A V L M S A
 ATG GCC ATA AGT GGA GTC CCT GTG CTA GGA TTT TTC ATC ATA GCT GTG CTG ATG AGC GCT
 Q E S W A I K E E H V I I Q A E F Y L N
 CAG GAA TCA TCG GCT ATC AAA GAA GAA CAT GTG ATC ATC CAG GCC GAG TTC TAT CTG AAT
 F D Q S G E F M F D F D G D E I F H V D
 CCT GAC CAA TCA GGC GAG TTT ATG TTT GAC TTT GAT GGT GAT GAG ATT TTC CAT GTG GAT
 M A K K E T V W R L E E F G R F A S F E
 ATG GCA AAG AAG GAG ACG GTC TGG CGG CTT GAA GAA TTT GGA CGA TTT GCC AGC TTT GAG
 A Q G A L A N I A V D K A N L E I M T K
 GCT CAA GGT GCA TTG GCC AAC ATA GCT GTG GAC AAA GCC AAC CTG GAA ATC ATG ACA AAG
 R S N Y T P I T N V P P E V T V L T N S
 CGC TCC AAC TAT ACT CGG ATC ACC AAT GTA CCT CCA GAG GTA ACT GTG CTC ACG AAC AGC
 P V E L R E P N V L I C F I D K F T C P P
 CCT GTG GAA CTG GAG CCC AAC GTC CTC ATC TGT TTC ATC GAC AAG TTC ACC CCA CCA
 V V N V T W L R N G K P V T T G V S E T
 GTG GTC AAT GTC ACG TGG CTT CGA AAT GGA AAA CCT GTC ACC ACA GGA GTG TCA GAG ACA
 V F L P R E D H L F R K F H Y L P F L P
 GTC TTC CTG TCG AGG GAA GAC CAC CTT TTC CGC AAG TTC CAC TAT CTC CCC TTC CTG CCC
 S T E D V Y D C R V E H W G L D E P L L
 TCA ACT GAG GAC GTT TAC GAC TGC AGG GTG GAG CAC TGG GGC TTG GAT GAG CCT CTT CTC
 K H W E F D A P S P L P E T T E E F G G
 AAG CAC TGG GAG TTT GAT GCT CCA AGC CCT CTC CCA GAG ACT ACA GAG GAA TTC GGT GGT
 S G G S A Q L E W E L Q A L E K E N A Q
TCC GGT GGT TCC GCG CAG CTG GAA TGG GAA CTG CAG GCG CTG GAA AAA GAA AAC GCG CAG
 L E W E L Q A L E K E L A Q G G S G G S
 CTG GAA TGG GAA CTG CAG GCG CTG GAA AAA GAA CTG GCG CAG GGC GGC TCC GGT GGT AGC
 A T P Q N I T D L C A E Y H N T Q I H
GGC ACA CCT CAA AAT ATT ACT GAT TGG TGT GCA GAA TAC CAC AAC ACA CAA ATA CAT
 T L N D K I F S Y T E S L A G K R E M A
 ACG CTA AAT GAT AAG ATA TTT TCG TAT ACA GAA TCT CTA GCT GGA AAA AGA GAG ATG GCT
 I I T F K N G A T F Q V E V P G S Q H I
 ATC ATT ACT TTT AAG AAT GGT GCA ACT TTT CAA GTA GAA GTA CCA GGT AGT CAA CAT ATA
 D S Q K K A I E R M K D T L R I A Y L T
 GAT TCA CAA AAA AAA GCG ATT GAA AGG ATG AAG GAT ACC CTG AGG ATT GCA TAT CTT ACT
 E A K V E K L C V W N N K T P H A I A A
 GAA GCT AAA GTC GAA AAG TTA TGT GTA TGG AAT AAT AAA ACG CCT CAT GCG ATT GCC GCA
 I S M A N *
 ATT AGT ATG GCA AAT TAA

Fig. 31

09756983.111301

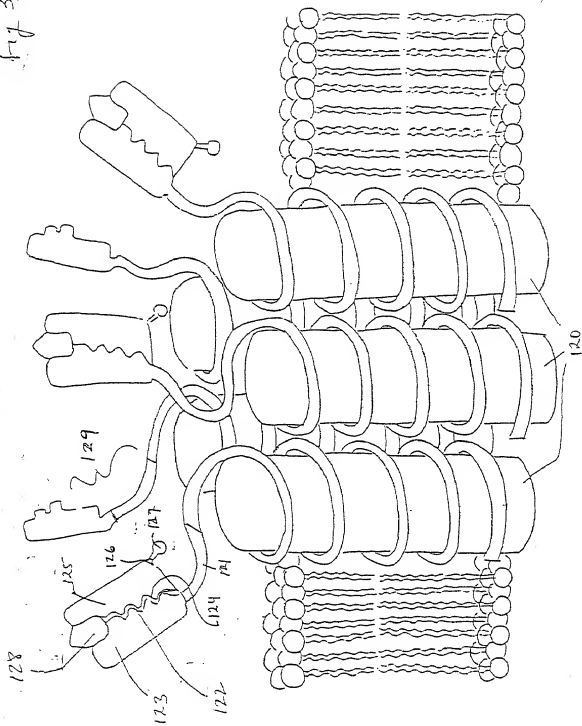
DRB1-biotag construct translation PROTEIN-DNA

1/1 31/11
M V C L K F P G G S C M A A L T V T L M
ATG CTG TGT CTG AAG TTC CCT GGA GGC TCC TGC ATG GCA GCT CTG ACA GTG ACA CTG ATG
51/11 51/11
V L S S P L A L A G D T R P R F L E Q V
121/41 121/41
CTG CTG AGC TCC CCA CTG GCT TTG GCT GGG GAC ACC CGA CCA CTT TTA GAG CAG GTT
151/51 151/51
K H E C H F F N G T E R V R F L D R Y F
181/61 181/61
AAA CAT GAG TGT CAT TTC TTC AAC GGG ACG GAG CGG GTG CGG TTC CTG GAC AGA TAC TTC
211/71 211/71
Y H Q E E Y V R F D S D V G E Y R A V T
241/81 241/81
TAT CAC CAA GAG GAG TAC GTG CGC TTC GAC AGC GAC CTG GGG GAG TAC CGG CGC GTG ACG
271/91 271/91
E L G R P D A E Y W N S Q K D L L E Q K
301/101 301/101
GAG CTG GGG CGG CCT GAT GCC GAG TAC TGG AAC AGC CAG AAG GAC CTC CTG GAG CAG AAG
331/111 331/111
R A A V D T Y C R H N Y G V G E S F T V
361/121 361/121
CGG GCC CGC GTG GAC ACC TAC TGC AGA CAC AAC TAC GGG GTT GGT GAG AGC TTC ACA GTG
391/131 391/131
Q R R V Y F E V T V Y P A K T Q P L Q H
421/141 421/141
CAG CGG CGA GTC TAT CCT GAG GTG ACT GTG TAT CCT GCA AAG ACC CAG CCC CTG CAG CAC
451/151 451/151
H N L L V C S V N G F Y P C G G S I E V R W
481/161 481/161
CAC AAC CTC CTG GTC TGC TCT GTG AAT GGT TTC TAT CCA GGC AGC ATT GAA GAG AGG TGG
511/171 511/171
F R N G Q E E K T G V V S T G L I Q N G
541/181 541/181
TTC CGG AAC GGC CAG GAA GAG AAG ACT GGG GTG GTG TCC ACA GGC CTG ATC CAG AAT GGA
571/191 571/191
D W T F Q T L V M L E T V P R S G E V Y
601/201 601/201
GAC TGG ACC TTC CAG ACC CTG GTG ATG CTG GAA ACA GTT CCT CGG AGT GGA GAG GTT TAC
631/211 631/211
T C Q V E H P S L T S P L T V E W R A R
661/221 661/221
ACC TGC CAA GTG GAG CAC CCA AGC CTG ACG AGC CCT CTC ACA GTG GAA TGG AGA GCA CGG
691/231 691/231
S E S A Q S K G G S G G S A Q L K K K L
721/241 721/241
TCT GAA TCT GCA CAG AGC AAG GGC GGC TCC GGT GGT AGC GCC CAG CTG AAG AAG AAA CTC
751/251 751/251
Q A L K K K N A Q L K Q K L Q A L K K K
781/261 781/261
CAG GCT CTG AAA AAA AAG AAT GCC CAG CTC AAG CAG AAG CAG CAC GCC CTG AAG AAA AAG
811/271 811/271
L A Q G S G G S A G G G L N D I F E A Q
841/281 841/281
CTG GCT CAG GGT TCC GGT GGT TCC GCG GGT GGT GGT TTG AAC GAC ATC TTC GAA GCT CAG
871/291 871/291
K I E W H * *
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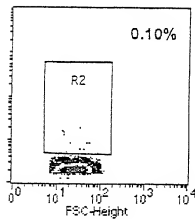
Fig 32

00756083-11301

Fig 33

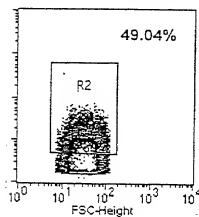


LIPOSOME-GM1



A

LIPOSOME-GM1+CTB FITC



B

Fig 35

09756983.11301

09756983.11301

Name	Parameter	Gate	p MOLES CTB FITC	GEO MEAN	%GATED M2
lip.001	FL1-H	G1	CONTROL-0	2.32	8.1
lip.002	FL1-H	G1	25pMOLES	2.25	6.1
lip.003	FL1-H	G1	50 pMOLES	3.17	27.2
lip.004	FL1-H	G1	100pMOLES	2.78	20.4
lip.005	FL1-H	G1	200pMOLES	3.07	27.5
lip.006	FL1-H	G1	400pMOLES	3.52	40.4
lip.007	FL1-H	G1	800pMOLES	5.59	73.0
lip.008	FL1-H	G1	2000pMOLES	7.57	82.4
lip.009	FL1-H	G1	5000pMOLES	20.82	97.1

Fig 36

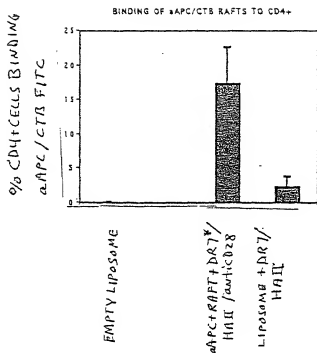


Fig 37

09756983.11301

Fig
38A

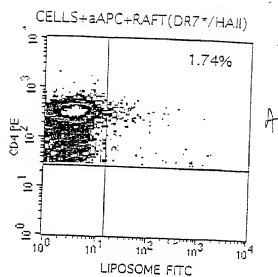
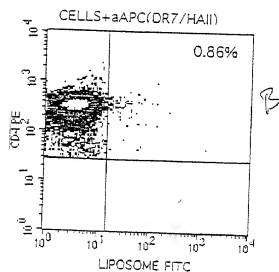


Fig 38B



LIPOSOME FITC

09756983.11301

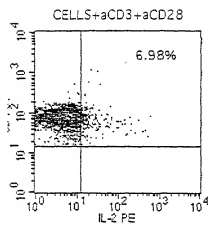


Fig 39 A

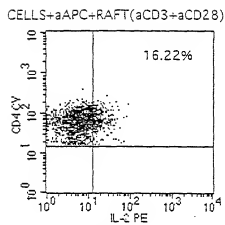


Fig 39 B

CD69 EXPRESSION BY CD4-POSITIVE CELLS

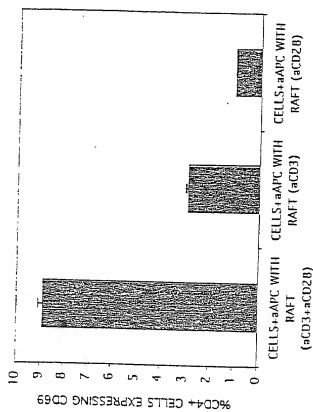


Fig 40

IL-2 PRODUCTION BY CD4-POSITIVE CELLS

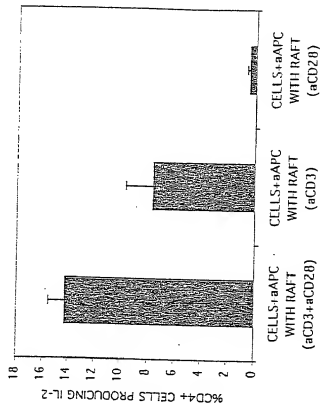


Fig 41

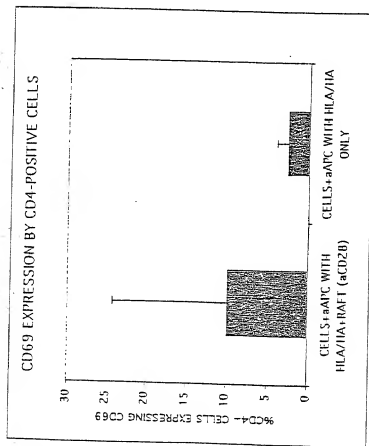


Fig 42

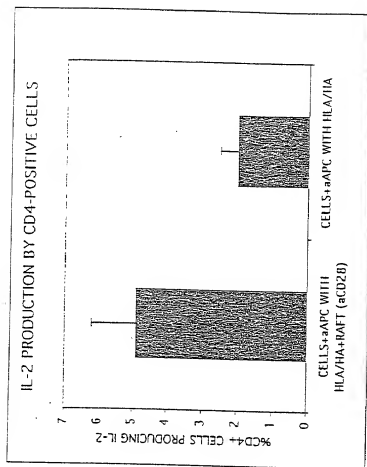


Fig 43